

(12) United States Patent

Borgward

(54) DIGITAL BOOK

(*) Notice:

US 8,654,082 B2 (10) **Patent No.:** (45) Date of Patent:

4,839,634				More et al		
4,912,671 5,027,394				Ishida 704/3 Ono et al.		
5.049.862				Dao et al		
				Norwood 382/186		
5,128,672	Α		7/1992	Kaehler		
5,194,852	Α	*	3/1993	More et al 345/182		
(Continued)						

Feb. 18, 2014

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

Inventor: Glenn Rolus Borgward, München (DE)

(21) Appl. No.: 09/508,794

(22) PCT Filed: Sep. 21, 1998

(86) PCT No.: PCT/EP98/06008

§ 371 (c)(1),

(2), (4) Date: Jun. 1, 2000

(87) PCT Pub. No.: WO99/15982

PCT Pub. Date: Apr. 1, 1999

(65)**Prior Publication Data**

US 2012/0098752 A1 Apr. 26, 2012

(30)Foreign Application Priority Data

(DE) 197 414 53

(51) Int. Cl.

(2006.01)G06F 3/041

U.S. Cl.

(58) Field of Classification Search

USPC 345/121, 901, 864, 835, 776, 168–179; 707/532; 713/340; 455/90, 557;

361/683, 681 See application file for complete search history.

(56)References Cited

U.S. PATENT DOCUMENTS

4,005,388 A	1/1977	Morley et al.	
4,159,417 A	* 6/1979	Rubincam	235/375

FOREIGN PATENT DOCUMENTS

19546786 A1 6/1997 DE 0795810 A2 9/1997 (Continued)

Primary Examiner — Prabodh M Dharia (74) Attorney, Agent, or Firm — IP Strategies

(57)**ABSTRACT**

A digital book comprising a casing which is adapted to be folded open and shut like a book and which has at least one folding axis (A), a main part (1) and at least one secondary part (2), said parts together forming a book back part (BR). A display unit consists of at least two parts and is arranged in such a way that when the casing is folded out, the main part (1) and the at least one secondary part (2) are each presented to the user with at least one screen each, like pages of a book, for looking at or optionally, for working on as required. The digital book contains a control unit with means for receiving, storing, processing and reproducing information, and at least one operating unit (6) with operating elements for using the digital book as a device for receiving/processing/reproducing information. Furthermore, there is provided a supply unit (VE) which is designed such that it has a receiving opening (VE') and a guide and supply pin (7), by means of which the digital book can be plugged in when the casing is folded shut, for inputting and outputting information, for supplying energy and for storing the digital book.

30 Claims, 46 Drawing Sheets

